

# The Story So Far

## February 2013

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11 4K Wave	12	13	14	15 Cold in both rings	16
17	18 PP12 lattice test evening	19	20	21	22	23
24	25	26	27	28	29	30
PS gave us e-lens		First Collisions			Overnight Stores 109x109	
					Start Physics	

## March 2013

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11 6 hour stores with tune between				15 PA Maintenance	16
17	18	19	20 PA Maintenance	21	22	23
24	25	26	27	28	29	30
31						

# Issues past week

- We had very bad Polarization lifetime in Yellow
- High Polarization losses in Yellow through rotator ramp
  - Both maybe fixed:
    - Applied skew sextupole 2/3 compensation at Store and Injection
    - Gave us more tune room at Store to lower our Yellow tunes to 0.68 and this fixed Polarization losses on Rotator Ramp
  - Lifetime seemed to respond to correction in the snake currents (difference between read-back and setting)
- Polarization TM efficiency still needs work
  - Applied tune bumps at gg422 stone → seemed to help push Yellow > 0.9 blue hurt → ~0.8
- Changed Injection working point for Yellow put above 0.7 for better beam and maybe Polarization lifetime

# Future Plans

- Ramp without Phase Shifters powered see effect on Polarization TM on ramp
- Apply tune bumps to gg381 stone
- See what can be done up stream to control emittance we get at injection